

Methods and Apparatus for Backup and Restoring Systems

ABSTRACT OF THE DISCLOSURE

The present invention provides techniques for managing storage based replication. Specific embodiments provide techniques for performing system backup and restoring. In specific embodiments, benefits such as keeping a remote mirror between a primary volume and a secondary volume in operation can be provided. Since the remote mirror is usually used for disaster recovery purposes, where the mirrors must be always in-sync state, being able to take a backup without breaking the remote mirror can help provide a constant duplicate copy of production information in case of emergency, for example. Further, in some embodiments, a user can take backups of more than one generation by setting up two or more secondary volumes (SVOLs) for one primary volume (PVOL).